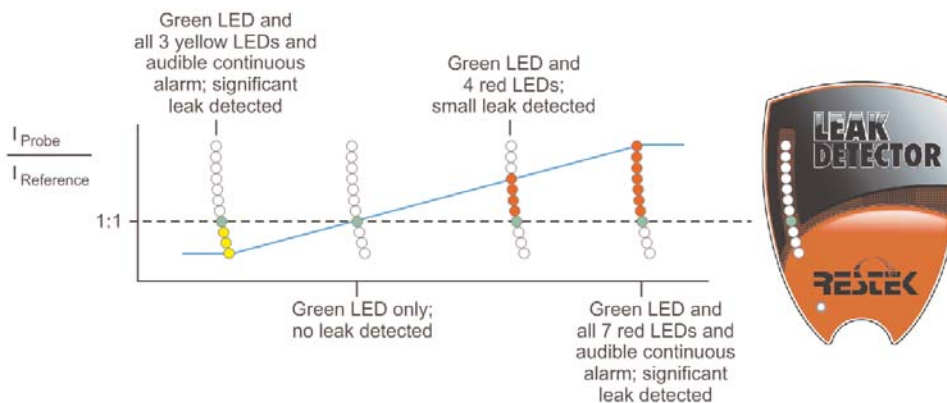


11.0 Interpreting the Results

Figure 5 illustrates the Leak Detector's LED light response range. The greater the number of red or yellow LED lights lit correlates in general to the size of the leak. **NOTE:** The Leak Detector is not a quantitative device, rather it is designed to detect leaks in gas line connections commonly associated with laboratory equipment

Gas	Minimum Detectable Leak Rate (atm cc / sec.)	Indicating LED Light Color
Helium	1.0×10^{-5}	Red
Hydrogen**	1.0×10^{-5}	Red
Nitrogen	1.4×10^{-3}	Yellow
Argon	1.0×10^{-4}	Yellow
Carbon dioxide	1.0×10^{-4}	Yellow

Figure 5 LED light response chart for the Leak Detector. A 1:1 ratio of $I_{\text{Probe}} : I_{\text{Reference}}$ indicates no leak present. Red LED lights indicate the presence of one or more of the following gases: helium or hydrogen. Yellow LED lights indicate the presence of one or more of the following gases: nitrogen, argon, or carbon dioxide.



**This unit is NOT designed for determining leaks of combustible gases. A combustible gas detector should be used for determining combustible gas leaks in a hazardous environment.